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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

T397-306

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and

joint inventor (if plural names are listed below) of the subject matter which is described and claimed

in patent number 6,019,906 granted FEB. 1, 2000 and for which a

reissue patent is sought on the invention entitled HARD MASKING METHOD FOR

FORMING PATTERNED OXYGEN CONTAINING PLASMA ETCHABLE

the specification of which

LAYER.

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_

and was amended on \_\_\_\_\_

(if applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in

37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:


THE SPECIFICATION DISCLOSES BUT DOES NOT CLAIM THAT THE OXYGEN CONTAINING PLASMA ETCHABLE MICROELECTRONICS LAYER MAY COMPOSE A SPIN-ON MATERIAL.

(Page 1 of 2)

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) <b>TS 97-306</b>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
<b>GEORGE O. SAILLE</b>		<b>19,572</b>	
<b>STEPHEN B. ACKERMAN</b>		<b>37,761</b>	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number	<div style="border: 1px solid black; width: 150px; height: 20px;"></div>		Place Customer Number Bar Code Label here
		Type Customer Number here	
<input checked="" type="checkbox"/> Firm or Individual Name	<b>GEORGE O. SAILLE + ASSOCIATES</b>		
Address	<b>20 MCINTOSH DRIVE</b>		
Address			
City	<b>POUGHKEEPSIE</b>	State	<b>NY</b> Zip <b>12603</b>
Country	<b>USA</b>		
Telephone	<b>845-452-5863</b>	Fax	<b>845-471-2064</b>
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name) <b>SHUN-MING JANG</b>			
Inventor's signature	<i>[Signature]</i>		Date <b>1/31/02</b>
Residence	<b>2F, 83 N. Kuang-Hua St., Hsin-Chu</b>		Citizenship <b>Republic of China</b>
Mailing Address	<b>No. 121 Park Ave Rd. III SBIP Hsinchu TAIWAN R.O.C.</b>		
Full name of second joint inventor (given name, family name) <b>MING-HSIN HUANG</b>			
Inventor's signature	<i>[Signature]</i>		Date <b>1/31/02</b>
Residence	<b>No. 4 Lane 846 Nan-Pa Road Hsin-Chu</b>		Citizenship <b>Republic of China</b>
Mailing Address	<b>No. 121 Park Ave Rd. III SBIP Hsinchu TAIWAN R.O.C.</b>		
Full name of third joint inventor (given name, family name)			
Inventor's signature			Date
Residence			Citizenship
Mailing Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto			

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) <b>TS 97-306</b>
This is part of the application for a reissue patent based on the original patent identified below		
Name of Patentee(s) <b>SYUN-MING JANG, MING-HSIN HUANG</b>		
Patent Number <b>6,019,906</b>	Date Patent Issued <b>FEB. 1, 2000</b>	
Title of Invention <b>HARD MASKING METHOD FOR FORMING PATTERNED OXIDE LAYER CONTAINING PLASMA ETCHABLE LAYER</b>		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p>		
<p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee(s) owning an undivided interest in said original patent is/are <b>TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD</b>		
and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) <b>TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD</b>		
Signature 	Date <b>January 31, 2002</b>	
Typed or printed name and title of person signing for assignee (if assigned) <b>RICHARD L. THURSTON GENERAL COUNSEL + VP</b>		

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD

Application No./Patent No.: 6019906 Filed/Issue Date: FEB. 1, 2000

Entitled: HARD MASKING METHOD FOR FORMING PATTERNED OXYGEN CONTAINING

TAIWAN SEMICONDUCTOR MANUFACTURING CORPORATION

PLASMA ETCHABLE LAYER

(Name of Assignee) COMPANY, LTD (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 1, Frame 9221 0364, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

JANUARY 31, 2002  
Date

Richard L. Thurston  
Typed (printed) name  
Richard L. Thurston  
Signature  
General Counsel, VP  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# REISSUE APPLICATION DECLARATION BY THE ASSIGNEE

Docket Number (optional)

T597-306

I hereby declare that:

My residence and mailing address and citizenship are stated below next to my name.

I am authorized to act on behalf of the following assignee: TAIWAN SEMICONDUCTOR MANUFACTURING

and the title of my position with said assignee is: \_\_\_\_\_

COMPANY,

The entire title to the patent identified below is vested in said assignee.

Name of Patentee(s):

SHUN-MING JANG, MING-HSIN HUANG

Patent Number

6,019,906

Date of Patent Issued

FEB. 1, 2000

Title of Invention

HARD MASKING METHOD FOR FORMING PATTERNED OXYGEN CONTAINING PLASMA ETCHABLE LAYER

I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is

described and claimed in said patent, for which a reissue patent is sought on the invention entitled \_\_\_\_\_

the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- ☐ by reason of a defective specification or drawing.  
☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.  
☐ by reason of other errors.

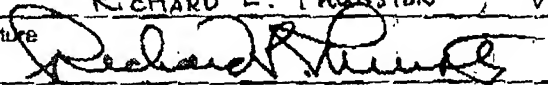
At least one error upon which reissue is based is described as follows:

THE SPECIFICATION DISCLOSES BUT DOES NOT CLAIM THAT THE OXYGEN CONTAINING PLASMA ETCHABLE MICROELECTRONICS LAYER MAY COMPOSE A SPIN-ON MATERIAL.  
[Attach additional sheets, if needed.]

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

[Page 1 of 2]

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<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (Optional) <b>T597-306</b>	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
<b>GEORGE O. SAILE</b>		<b>19,572</b>	
<b>STEPHEN B. ACKERMAN</b>		<b>37,761</b>	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; padding: 5px; display: inline-block;">             Place Customer Number Bar Code Label Here         </div>	
OR			
<input checked="" type="checkbox"/> Firm or Individual Name	<b>GEORGE O. SAILE + ASSOCIATES</b>		
Address	<b>20 MCLINTOSH DRIVE</b>		
Address			
City	<b>POUGHKEEPSIE</b>	State	<b>NY</b>
Country	<b>USA</b>	Zip	<b>12603</b>
Telephone	<b>845-452-5863</b>	Fax	<b>845-471-2064</b>
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of person signing (given name, family name)			
<b>RICHARD L. THURSTON, VP</b>			
Signature			Date <b>JANUARY 31, 2002</b>
Address of Assignee <b>No. 121 Park Ave Rd. III Science-Based Industrial Park, Hsin-Chu 300, Taiwan, R.O.C.</b>			
Patentee	<b>SYUN-MING JANG</b>		Citizenship <b>Republic of China</b>
Residence/Mailing Address <b>7F, #3 N. Kuan-Hua St., Hsin-Chu, Taiwan, ROC.</b>			
Patentee	<b>MING-HSIN HUANG</b>		Citizenship <b>Republic of China</b>
Residence/Mailing Address <b>No. 14 Lane 846 Nan-Da Road, Hsin-Chu, Taiwan, ROC.</b>			
<input type="checkbox"/> Additional Patentees are named on separately numbered sheets attached hereto			

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